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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Abir Ziyad Qamhiyah et al.
Patent No. : 6,937,227
Issue Date : August 30, 2005
Serial No. : 10/619,823
Filed : July 14, 2003
Title : HAND-HELD POINTING DEVICE

Art Unit : 2673
Examiner : Nitin Patel

Certificate
MAR 09 2006
of Correction

Attn.: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Applicants hereby request that a certificate of correction be issued for the above patent in accordance with the attached request.

All errors sought to be corrected were made in printing by the Patent and Trademark Office, and no fee is believed to be due.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 1, 2006



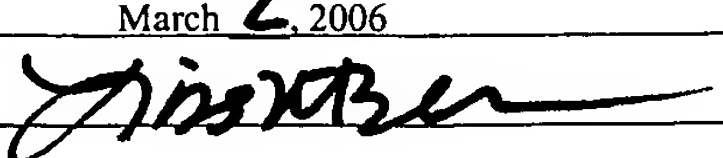
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,937,227
DATED : AUGUST 30, 2005
INVENTOR(S) : ABIR ZIYAD QAMHIYAH, DONALD FLUGRAD, HEKMAT TAHSEEN QAMHIEH, AND

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, Abstract, please delete “

The primary purpose of this thesis is to explain a device which could be used as an alternative for a computer mouse. Instead of using a regular roller found in an ordinary mouse, the device uses a pressure sensitive sensor to control the computer cursor on the monitor.

The device is developed mainly for a personal computer with Universal Serial Bus (USB) capability. The computer should have an operating system of Microsoft Windows 98 or newer. The device does not need any additional driver, and is has a USB hot-plug-and-play feature. It uses a Human Interface Device (HID) driver provided by Windows.

The device mainly has two buttons (right and left) and is approximately 4” by 3” by 2” in size. Users can press their fingers on to the device to control the cursor. The device will be small enough to be fit inside a person’s palm. The area has four pressure sensors used to move the cursor to the left, right, upward and downward. The user can control some parameters, such as cursor movement rate, by just controlling the amount force pressed on that area. The device will be made from a soft material with a hard box inside. All the necessary components will be placed inside the box. Only the sensors are outside the box, so that the user can control the sensors by squeezing the device. This would make it comfortable for users to operate the device.” and insert

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

--One implementation provides a hand-held device to control motion of a pointer on a display screen. In this implementation, the device includes a shell, a pressure sensor, and an actuator. The shell is capable of being held by a hand. The pressure sensor contains pressure-sensitive zones that are each associated with a direction of motion of the pointer on the display screen. The actuator is positioned to be manipulated by a digit (e.g., finger or thumb) of the hand holding the shell. When the actuator is manipulated, it presses against at least one of the pressure-sensitive zones to cause the pointer to move on the display screen in a direction determined by the direction of motion associated with the at least one of the pressure-sensitive zones against which the actuator is pressed.--therefor.

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